

**PATENT**  
Attorney Docket No. UM-08333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hildebrandt *et al.*  
Serial No.: 10/648,512                      Group No.: 1641  
Filed: 8/26/2003                      Examiner: Grun  
Entitled: NPHP Nucleic Acids and Proteins

## INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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By: 

Mary Ellen Waite

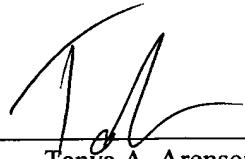
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Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: July 24, 2006

  
Tanya A. Arenson  
Registration No. 47,391

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 305  
San Francisco, California 94105  
608/218-6900



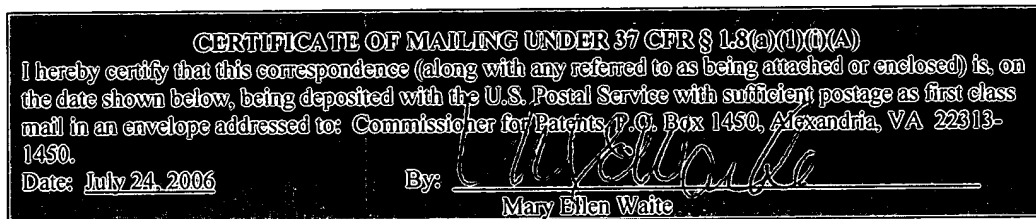
**PATENT**  
Attorney Docket No. **UM-08333**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: **Hildebrandt *et al.***  
Serial No.: **10/648,512**                      Group No.: **1641**  
Filed: **8/26/2003**                      Examiner: **Grun**  
Entitled: **NPHP Nucleic Acids and Proteins**

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Commissioner for Patents  
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Alexandria, VA 22313-1450



Sir or Madam:

The citations listed below may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

- ZEISBERG *et al.*, *Hypertens.* 10:315 [2001]
- SMITH *et al.*, *Am. J. Dis. Child.* 69:369 [1945]
- FANCONI *et al.*, *Helv. Paediatr. Acta.* 6:1 [1951]
- HILDEBRANDT *et al.*, *Nature Genet.* 17:149 [1997]
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07/27/2006 NNGUYEN1 00000038 10648512
- ANTIGNAC *et al.*, *Nature Genet.* 3:342 [1993]      02 FC:1806      188.00 OP
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- HAIDER et al. "A Bedouin Kindred with Infantile Nephronophthisis Demonstrates Linkage to Chromosome 9 by Homozygosity Mapping", Am J Hum Genet 63:1404-1410 [1998]
- OMRAN et al. "Identification of a New Gene Locus for Adolescent Nephronophthisis on Chromosome 3q22 in a Large Venezuelan Pedigree", Am J Hum Genet 66:118-127 [2000]
- WALDHERR et al., Virchows Arch A Pathol Anat Histol 394:235-254 [1982]
- SCHUEMANN et al. "Mapping of Gene Loci for Nephronophthisis Type 4 and Senior-Løken Syndrome, to Chromosome 1p36", Am. J. Hum. Genet. 70:1240 [2002]
- HILDEBRANDT and Otto, "Molecular Genetics of Nephronophthisis and Medullary Cystic Kidney Disease" J Am Soc Nephrol 11:1753-1761 [2000]
- DONALDSON et al., Exp Cell Res 256:168-178 [2000]
- BENZING et al. "Nephrocystin interacts with Pyk2, p130(Cas), and tensin and triggers phosphorylation of Pyk2", Proc Natl Acad Sci USA 98:9784-9789 [2001]
- DONALDSON et al. "Nephrocystin-conserved Domains Involved in Targeting to Epithelial Cell-Cell Junctions, Interaction with Filamins, and Est" J Biol Chem 277:29028-29035 [2002]
- SENIOR et al., Am J Ophthalmol 52:625-633 [1961]
- Løken et al., Acta Paediatr 50:177-184 [1961]
- CARIDI et al., Am J Kidney Dis 32:1059-1062 [1998]
- DIB et al., Nature 380:152 [1996]
- POLAK et al., Am J Ophthalmol 95:487-494 [1983]
- NURNBERGER et al. ARPKD and Inversin (inv): Isoforms and Cellular Distributions. Journal of the American Society of Nephrology. September 2001, Vol. 12, page 542A, see Abstract # A2810
- NURNBERGER et al. Inversin Forms a Complex with Catenins and N-Cadherin in Polarized Epithelial Cells. Molecular Biology of the Cell. September 2002, Vol. 13, No. 9, pages 3096-3106, see entire document.

- MORGAN et al., Nat. Genet. 20, 149 [1998]
- OTTO et al. "Nephrocystin: Gene Expression and Sequence Conservation between Human, Mouse, and Caenorhabditis Elegans", J. Am. Soc. Nephrol. 11:270 [2000]
- GAGNADOUX et al., Pediatr. Nephrol. 3, 50 [1989]
- FILLASTRE et al., Clin Nephrol 5:14-19 [1976]
- MOCHIZUKI et al., Nature 395, 177 [1998]

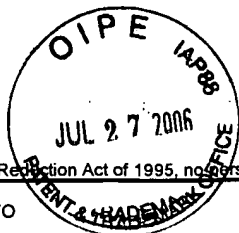
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Dated: \_\_\_\_\_

7/24/06



\_\_\_\_\_  
Tanya A. Arenson  
Registration No. 47,391  
MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
608/218-6900



PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/648,512
Filing Date	08/26/03
First Named Inventor	Friedhelm Hildebrand
Art Unit	1641
Examiner Name	GRUN, JAMES LESLIE
Attorney Docket Number	UM-08333

Sheet 1 of 3

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	ZEISBERG et al., Hypertens. 10:315 [2001]	
	2	SMITH et al., Am. J. Dis. Child. 69:369 [1945]	
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Examiner Signature	Date Considered
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		First Named Inventor	Friedhelm Hildebrand
		Art Unit	1641
		Examiner Name	GRUN, JAMES LESLIE
Sheet 2	of 3	Attorney Docket Number	UM-08333

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	23	MORGAN et al., Nat. Genet. 20, 149 [1998]	
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